

Examiner-Initiated Interview Summary	Application No. 09/945,441	Applicant(s) BRUNNER ET AL.	
	Examiner Robert M. Pond	Art Unit 3625	

All Participants:

(1) Robert M. Pond.

(2) Cyrus F. Bharucha, #42,324.

Date of Interview: 10 April 2009

Type of Interview:

☒ Telephonic
☐ Video Conference
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes ☒ No

If Yes, provide a brief description: _____

Part I.

Rejection(s) discussed:
None

Claims discussed:
Independents

Prior art documents discussed:
Dolby

Part II.

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:
See attached proposed claims.

Part III.

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.
☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

/Robert M. Pond/
 Primary Examiner, Art Unit 3625

Status of Application: Pending

(3) _____

(4) _____

Time: 3:30 PM Eastern

(Applicant/Applicant's Representative Signature – if appropriate)

Pond, Robert

From: Cyrus Bharucha [cbharucha@cspatents.com]
Sent: Friday, April 10, 2009 3:31 PM
To: Pond, Robert
Subject: RE: 09/945441 (OIC0045US)

Attachments: OIC0045US Proposed Amendments 4-10-09 - v2.doc



OIC0045US
sed Amendm

-----Original Message-----

From: Cyrus Bharucha
Sent: Friday, April 10, 2009 1:18 PM
To: Pond, Robert
Subject: 09/945441 (OIC0045US)

Dear Examiner Pond,

Please see attached proposed examiner's amendment.

Best regards,
-Cyrus Bharucha

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1. **(PROPOSED)** A computer implemented method comprising:
receiving a template comprising identifiers and operators, wherein $[[[:]]$
the identifiers identify one or more component products from a set of component products, and
the identified component products comprise a first component product; **and**
 $[[, \text{and}]]$
generating customizing, using a processor, a **customizable** class rule based on the identifiers and on relationships associated with the operators, $[[[:]]$ wherein
the **customizable customized** class rule indicates at least one configuration restriction for at least one customizable product.
2. **(PROPOSED)** The computer implemented method of claim 68, comprising:
determining not to associate the first component product with the customizable product if
the **customizable customized** class rule limits association of the first component product with the customizable product.
3. **(PROPOSED)** The computer implemented method of claim 68, comprising:
determining to associate the first component product with the customizable product if the **customizable customized** class rule allows association of the first component product with the customizable product;
associating the first component product with the customizable product;
determining to associate a second component product with the customizable product upon the associating the first component product if the **customizable customized** class rule requires association of the first component product with the second component product; and
associating the second component product with the customizable product.
4. **(Canceled)**

5. (Previously presented) The computer implemented method of claim 1, comprising:
providing a user interface for each component product in the set of component products,
wherein the user interface comprises a theme user interface, a control user
interface, and a group user interface.
6. (Canceled)
7. (Previously presented) The computer implemented method of claim 68, wherein two or
more component products from the set of component products are associated with the
customizable product.
8. **(PROPOSED)** A machine-readable medium that provides instructions recorded on a
computer-readable storage medium and executable by a set of one or more processors to cause
the set of one or more processors to perform operations comprising:
receiving a template comprising identifiers and operators, wherein~~[[:]]~~
the identifiers identify one or more component products from a set of component
products, and
the identified component products comprise a first component product, and
~~generating~~ customizing a ~~customizable~~ class rule based on the identifiers and on
relationships associated with the operators, ~~[[:]]~~ wherein
the ~~customizable~~ customized class rule indicates at least one configuration
restriction for at least one customizable product.
9. **(PROPOSED)** The machine-readable medium of claim 69, the operations comprising:
determining not to associate the first component product with the customizable product if
the ~~customizable~~ customized class rule limits association of the first component
product with the customizable product.

10. **(PROPOSED)** The machine-readable medium of claim 69, the operations comprising:
 - determining to associate the first component product with the customizable product if the **customizable customized** class rule allows association of the first component product with the customizable product;
 - associating the first component product with the customizable product;
 - determining to associate a second component product to the customizable product upon the associating the first component product if the **customizable customized** class rule requires associating the first component product with the second component product; and
 - associating the second component product with the customizable product.
11. **(Canceled)**
12. **(Previously presented)** The machine-readable medium of claim 69, wherein the providing the set of component products comprises providing a user interface for each component product in the set of component products.
13. **(Previously presented)** The machine-readable medium of claim 12, wherein the user interface comprises a theme user interface, a control user interface, and a group user interface.
14. **(Previously presented)** The machine-readable medium of claim 69, wherein two or more component products from the set of component products are associated with the customizable product.

15. **(PROPOSED)** A computer implemented method comprising:
- receiving a template comprising identifiers and operators, wherein[[:]]
- the identifiers identify component products from a set of component products, and
- ~~generating customizing, using a processor,~~ a set of ~~customizable~~ class rules based on the identifiers and on relationships associated with the operators, wherein the set of ~~customizable~~ customized class rules define at least one relationship among two or more of the identified component products;
- designating a customizable product; and
- associating a first component product with the customizable product based on a ~~customizable~~ customized class rule, among the set of ~~customizable~~ customized class rules, that applies to the customizable product.
16. **(PROPOSED)** The computer implemented method of claim 15, comprising selecting a second component product to add to the customizable product, wherein the selecting is based on the first component product and at least one of the ~~customizable~~ customized class rules.
17. (Previously presented) The computer implemented method of claim 15, comprising selecting two or more component products associated with the customizable product.
18. **(PROPOSED)** The computer implemented method of claim 15, comprising associating a second component product with the customizable product upon the selecting based on at least one of the ~~customizable~~ customized class rules.
- 19-23. (Canceled)

24. **(PROPOSED)** A machine-readable medium that provides instructions recorded on a computer-readable storage medium and executable by a set of one or more processors to cause the set of one or more processors to perform operations comprising:

receiving a template comprising identifiers and operators, wherein[[:]]

the identifiers identify component products from a set of component products, and

generating customizing a set of **customizable** class rules based on the identifiers and on relationships associated with the operators, wherein the set of **customizable** **customized** class rules define at least one relationship among two or more of the identified component products;

designating a customizable product; and

associating a first component product with the customizable product based on a **customizable** **customized** class rule, among the set of **customizable** **customized** class rules, that applies to the customizable product.

25. (Previously presented) The machine-readable medium of claim 24, wherein the operations comprise selecting from a set of alternative component products to add to the customizable product, wherein the selecting is based upon the first component product.

26. (Previously presented) The machine-readable medium of claim 24, wherein the customizable product rules comprise pricing information and allow for discount pricing, and the operations comprise selecting two or more component products associated with the customizable product.

27. **(PROPOSED)** The machine-readable medium of claim 24, wherein the operations comprise associating a second component product with the customizable product upon the selecting based on at least one of the **customizable** **customized** class rules.

28-30. (Canceled)

31. (Previously presented) The machine-readable medium of claim 27, wherein the customizable product rule comprises component product information to guide a consumer in a selection of the customizable product, and the component product is displayed in a user interface.
32. (Canceled)
33. **(PROPOSED)** An apparatus comprising:
- a memory to store a set of one or more customizable product classes; and
 - a processor, coupled to the memory and configured to~~[[::]]~~
 - identify a set of component products,
 - receive a template comprising identifiers and operators, wherein~~[[::]]~~
 - the identifiers identify one or more component products from a set of component products, and
 - the identified component products comprise a first component product, and
 - ~~generate customize~~ a ~~customizable~~ class rule based on the identifiers and on relationships associated with the operators, wherein
 - the ~~customizable~~ customized class rule indicates at least one configuration restriction for at least one customizable product.
34. **(PROPOSED)** The apparatus of claim 70, wherein the processor is configured to determine not to associate the first component product with the customizable product if the ~~customizable~~ customized class rule limits association of the first component product with the customizable product.

35. (PROPOSED) The apparatus of claim 70, wherein the processor is configured to:
determine to associate the first component product with the customizable product if the ~~customizable~~ customized class rule allows association of the first component product with the customizable product; and
associate the first component product with the customizable product.
- 36-38. (Canceled)
39. (Previously presented) The apparatus of claim 70, wherein two or more component products from the set of component products are associated with the customizable product.
40. (Canceled)
41. (PROPOSED) The computer implemented method of claim 1, comprising:
converting the ~~customizable~~ customized class rule from a natural language format into a low-level computer language.
42. (PROPOSED) The computer implemented method of claim 1, wherein the ~~customizable~~ customized class rule comprises an expression relating to an attribute of a component product.
43. (PROPOSED) The computer implemented method of claim 1, wherein the ~~customizable~~ customized class rule defines at least one relationship among the customizable product classes.
44. (Canceled)
45. (PROPOSED) The machine-readable medium of claim 8, the operations comprising:
converting the ~~customizable~~ customized class rule from a natural language format into a low-level computer language.

46. (PROPOSED) The machine-readable medium of claim 8, wherein the **customizable** customized class rule comprises an expression relating to an attribute of a component product.
47. (PROPOSED) The machine-readable medium of claim 8, wherein the **customizable** customized class rule defines at least one relationship among the customizable product classes.
48. (PROPOSED) The computer implemented method of claim 15, comprising:
converting the **customizable** customized class rules from a natural language format into
a low-level computer language.
- 49-54. (Canceled)
55. (Previously presented) The computer implemented method of claim 68, comprising:
generating, in response to the request to associate, a recommendation message based on
the customized class rule.
56. (Previously presented) The computer implemented method of claim 55, comprising:
transmitting the recommendation message to a user, wherein the request to associate is
received from the user.
57. (Previously presented) The computer implemented method of claim 1, wherein the
identifiers comprise a user-specified text identifier, and the operators comprise a text operator
that applies to the user-specified text identifier.
58. (Canceled)
59. (Previously presented) The computer implemented method of claim 57, wherein the text
operator comprises at least one of: a requirement operator, a conditional operator, a conjunction
operator, and an exclusion operator.

60. (Previously presented) The computer implemented method of claim 57, wherein the text operator comprises at least one of: an addition operator, a subtraction operator, a multiplication operator, and an absolute value operator.

61. (Previously presented) The computer implemented method of claim 57, wherein the user-specified text identifier refers to an account status and the text operator comprises an equivalence operator.

62. (Previously presented) The computer implemented method of claim 57, wherein the user-specified text identifier refers to at least one of: a product class, a cardinal number, a customer evaluation, a transaction upgrade, a customer attribute, or a geographic location.

63. (Previously presented) The machine-readable medium of claim 69, the operations comprising:

generating, in response to the request to associate, a recommendation message based on the customized class rule, wherein the request to associate is received from a user; and
transmitting the recommendation message to the user.

64. (Previously presented) The machine-readable medium of claim 8, wherein the identifiers comprise a user-specified text identifier, and the operators comprise a text operator that applies to the user-specified text identifier.

65. (Previously presented) The computer implemented method of claim 15, wherein the identifiers comprise a user-specified text identifier, and the operators comprise a text operator that applies to the user-specified text identifier.

66. (Previously presented) The machine-readable medium of claim 24, wherein the identifiers comprise a user-specified text identifier, and the operators comprise a text operator that applies to the user-specified text identifier.

67. (Previously presented) The apparatus of claim 33, wherein the identifiers comprise a user-specified text identifier, and the operators comprise a text operator that applies to the user-specified text identifier.
68. **(PROPOSED)** The computer implemented method of claim 1, comprising:
receiving, during a runtime session, a request to designate a customizable product;
receiving, during the runtime session, a request to associate the first component product with the customizable product; and
determining whether to associate the first component product with the customizable product based on the **customizable** customized class rule.
69. **(PROPOSED)** The machine-readable medium of claim 8, the operations comprising:
receiving, during a runtime session, a request to designate a customizable product;
receiving, during the runtime session, a request to associate the first component product with the customizable product; and
determining whether to associate the first component product with the customizable product based on the **customizable** customized class rule.
70. **(PROPOSED)** The apparatus of claim 33, wherein the processor is configured to:
receive, during a runtime session, a request to designate a customizable product;
receive, during the runtime session, a request to associate the first component product with the customizable product; and
determine whether to associate the first component product with the customizable product based on the **customizable** customized class rule.

71. (Previously presented) The computer implemented method of claim 1, comprising:
- receiving a list of values from a configuration expert for use in a batch rule; and
 - generating the template using the list of values by filling in blanks from a blank template with the values in the received list of values.